

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

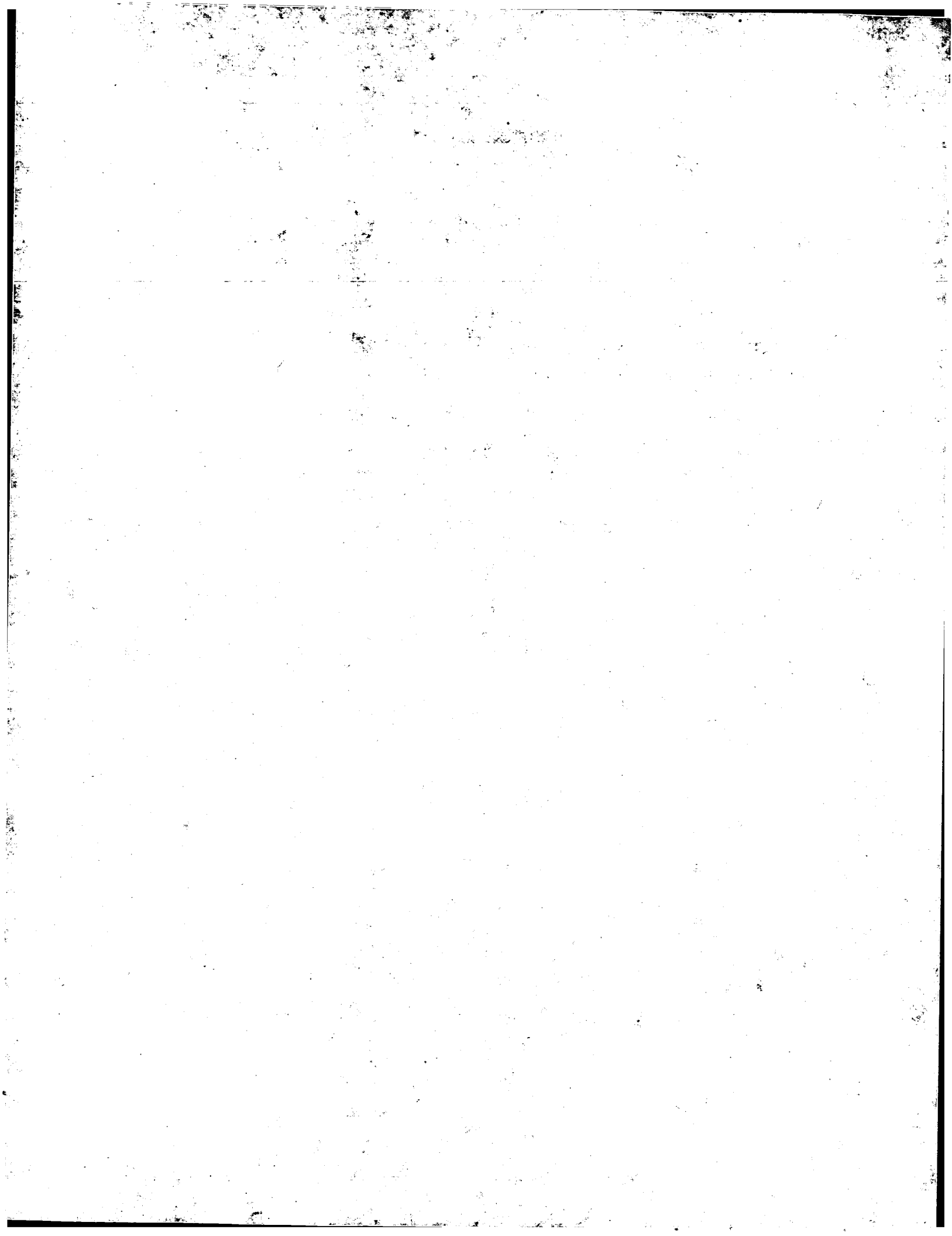
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**



## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-215892

(43)Date of publication of application : 19.08.1997

(51)Int.Cl.

D06F 35/00

(21)Application number : 08-059951

(71)Applicant : YOSHIOKA MAYUMI

(22)Date of filing : 09.02.1996

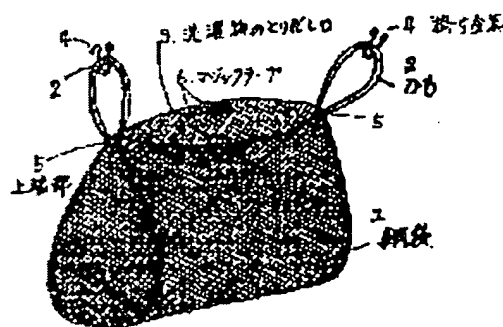
(72)Inventor : YOSHIOKA MAYUMI

## (54) NET BAG ALLOWING WASHING OF DELICATE MATERIAL IN WASHING MACHINE

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a net bag which allows delicate materials to be washed easily in a washing machine in such a way that the need to put the net into and out of the washing machine and store it can be eliminated and that clothing is not damaged not wrinkled, since delicate materials can be washed in the washing machine as usual or they can be washed without taking the net out of another place and only the washing can be taken without taking the net out of the tub after a washing operation.

**SOLUTION:** This fine-meshed net bag 1 provided with a washing outlet 3 having a lid member mounted on its center has cords 2 attached to its right and left upper ends 5 to tie hanging metal fittings 4, and the cords 2 are provided with the hanging metal fittings 4 to be attached to a circular water exit in the tub of an automatic washing machine.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998.2003 Japan Patent Office

\* NOTICES \*

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. \*\*\*\* shows the word which can not be translated.
3. In the drawings, any words are not translated.

---

CLAIMS

---

[Claim(s)]

[Claim 1] A string bag which followed a string (2) for tying a shackle (4) to the fine left top right corner section (5) of a string bag (1) of an eye which prepared extraction opening (3) of the washing with which a closing motion member is attached in a center section, and prepared a shackle (4) for attaching in the string (2) in laundry sink of an automatic-system washer at a circular dehydration hole (7) of (A) and which can wash a delicate washing easily with a washer.

---

[Translation done.]

## \* NOTICES \*

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. \*\*\*\* shows the word which can not be translated.
3. In the drawings, any words are not translated.

## DETAILED DESCRIPTION

## [Detailed Description of the Invention]

[0001]

[The technical field to which invention belongs] This invention is the string bag of making it hard to be usually able to perform wash of a passage simply, not to damage clothing moreover, even if it does not take a network at every wash in and out, when wash can do a delicate washing as usual with a washer or it washes by putting into a network, but to become Siwa which can wash a delicate washing with a washer easily.

[0002]

[Description of the Prior Art] When it washed by hand or a washer was used, the washing more delicate than before weakened the stream of a washer, and had washed it. Therefore, when washing by hand, time and effort is taken, when using a washer, there is also a washer which cannot weaken a stream, and since dehydration is [ that dirt omission is not good and ] also weak when a stream is weak, the water of clothing cannot be drunk but it is hard to get dry, however clothing will become Siwa if it dehydrates ordinarily. Moreover, when it washed by putting into a network etc. and wash finished, he had to take out the network from laundry sink, and I was troubled also by the receipt location of the network.

[0003]

[Problem(s) to be Solved by the Invention]

Although I and a delicate washing were washed by hand, it had taken time and effort very much.

When washing RO and a delicate washing with a washer, although the stream of a washer was weakened and was washed, since the stream was weak, dirt omission was not so good. Since it was weak like [ dehydration ] it when weakening the stream of Ha and a washer and washing it, the water of clothing could not be drunk and dryness was not good. When putting NI and a delicate washing into a network and washing them, receipts and payments of a network were a trouble activity for the busy housewife.

This invention is made in order to solve the above defect.

[0004]

[Means for Solving the Problem] A string bag which sewed on by making a string (2) into the shape of a ring at the fine left top right corner section (5) of a string bag (1) of an eye which prepared extraction opening (3) of the washing with which a piece of Velcro (6) is sewn on in a center section, and prepared metallic ornaments attached in the string (2) in laundry sink of an automatic-system washer at a circular dehydration hole (7) of (A), and (4) and which can wash a delicate washing easily with a washer. This invention is the string bag which can wash easily a delicate washing which consists of the above configuration.

[0005]

[Embodiment of the Invention] When using this invention, by [ which put in the shackle (4) attached in the circular dehydration hole (7) of (A) in the laundry sink of an automatic washer, and is changed into the condition / having hung the string bag (1) like drawing 3 ] doing so the time and effort which takes a network at every wash [ \*\*\*\* / taking out a network from somewhere else ] in and out from laundry sink, and the time and effort to contain -- it can exclude -- a stream with a washer strong moreover -- the surroundings of laundry sink, and a bottom -- the washing -- colliding -- clothing -- worries of mold collapse \*\*\*\* do not have the washing, either, without hurting one's ground. furthermore -- the case where it dehydrates -- the washing -- the bottom of laundry sink -- there is nothing -- the bottoms of a main fat person of laundry sink -- \*\*\*\* -- since it dehydrates -- clothing -- it can dehydrate firmly that it is further hard to become Siwa, without hurting one's ground. This invention can be washed without shoes other than clothing, such as slippers, hurting their laundry sink.

[0006]

[Example] Hereafter, the example of this invention is described.

(b) Make a string (2) into the shape of a ring, and sew him on the left top right corner section (5) of the string bag (1) which consists of a fine screen.

(b) In the laundry sink of an automatic-system washer, in order to change into the condition [ having hung the string bag (1) to (A) ], attach in a string (2) the metallic ornaments (4) attached in the circular dehydration hole (7) of (A) in laundry sink.

(c) Prepare extraction opening (3) of the washing for putting the washing into the string bag (1) which consists of a fine screen, or taking out.

(d) Sew magic TEBU (6) on so that it may not come out of a string bag (1) to the extraction opening (3) center section of the washing, while the washing washes.

This invention consists of the above configuration. When using this invention, the shackle (4) attached in the circular dehydration hole (7) of (A) in the laundry sink of an automatic washer is put in, it changes into the condition [ having hung the string bag (1) like drawing 3 ], then a network can be taken out from somewhere else or the time and effort which takes a network at every wash in and out from laundry sink, and the time and effort to contain can be saved. And if it washes where a string bag is hung, the washing in a string bag (1) will be washed only according to the stream gathering in a center in the surroundings of laundry sink, or a bottom at the center of laundry sink. Since the string bag (1) is hung even with the strong stream of a washer at laundry sink at this time, the washing can be washed without being able to perform only a fixed motion but applying an excessive burden to clothing. Therefore, even if it is clothing of delicate cloth, it can wash easily with a standard stream. Moreover, this can be said also at the time of dehydration and can also prevent Siwa further. In addition, as long as it is objects which can be used for closing motion, such as a piece of Velcro, a carbon button, a fastener, and a string, as

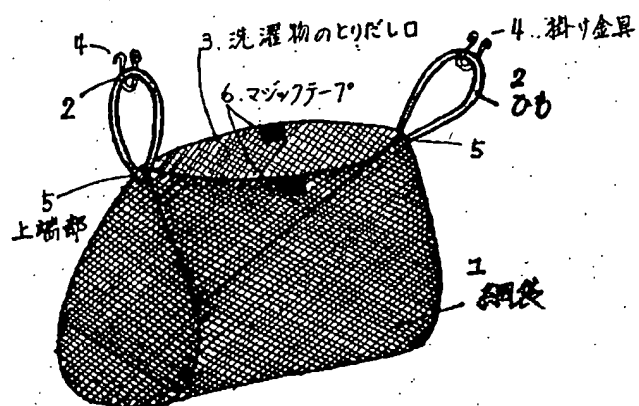
a closing motion member, you may be what kind of object. Or it is necessary to attach no closing motion members reversely. Moreover, if it is the object which can attach a shackle also about the string which attaches a shackle, a string's form or construction material will not be limited. Moreover, if it can wash without the magnitude of a mesh and the form of a string bag damaging the washing also about a string bag, suppose that you may be the magnitude of what kind of mesh, and the form of a string bag.

[Effect of the Invention] Since only the washing can be taken out even if wash can do a delicate washing as usual with a washer, or it nets ejection wash from somewhere else and after wash does not take out a network from laundry sink by using this invention, receipts and payments of a network and the time and effort of receipt can be saved.

---

[Translation done.]

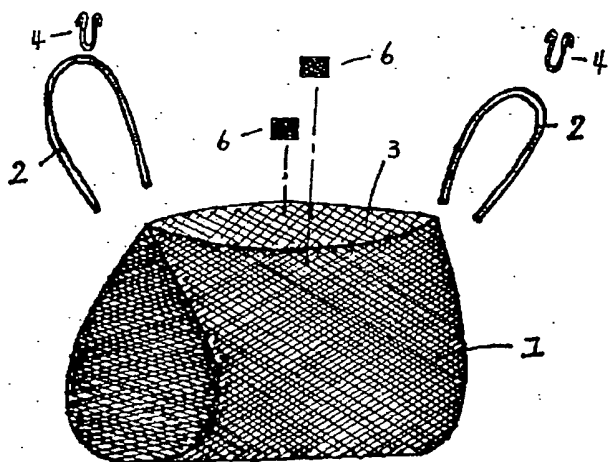
Drawing selection Representative drawing



[Translation done.]

Drawing selection drawing 2

---

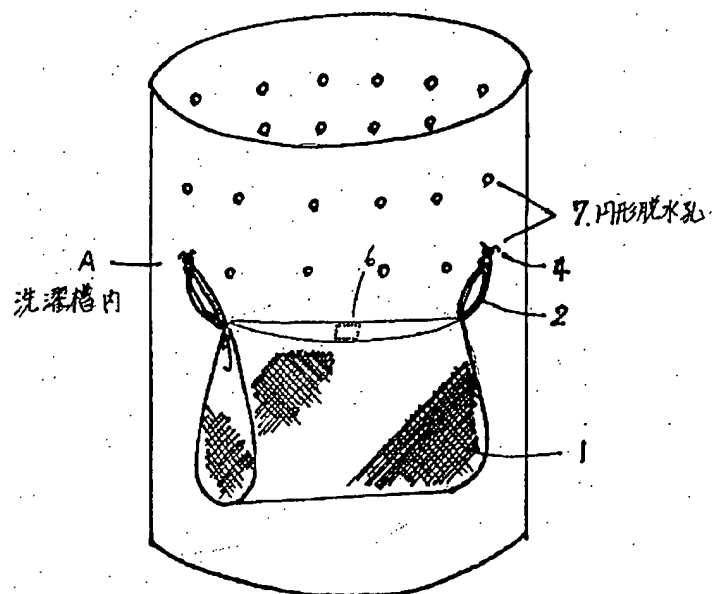


---

[Translation done.]



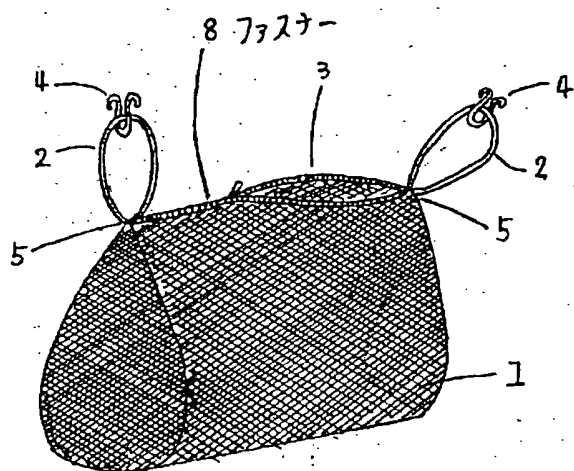
Drawing selection drawing 3



[Translation done.]

Drawing selection drawing 4

---



---

[Translation done.]